PROCEEDINGS

OF THE

AMERICAN PHILOSOPHICAL SOCIETY

HELD AT PHILADELPHIA
FOR PROMOTING USEFUL KNOWLEDGE

VOLUME 97

1953

THE AMERICAN PHILOSOPHICAL SOCIETY
INDEPENDENCE SQUARE
PHILADELPHIA 6

1953

CONTENTS

		Page
No. 1.	The Relations of East and West (Penrose Memorial Lecture). CHARLES MALIK	1
	Hormones of the Adrenal Cortex in Health and Disease. EDWARD C. KENDALL	8
	William Penn and Peter the Great. EUFROSINA DVOICHENKO-MARKOV	12
	Bartolomé de Las Casas and the Spanish Empire in America: Four Centuries of Misunderstanding. LEWIS HANKE	26
	William Ellery Channing: The Making of a Social Gospel. MADELEINE HOOKE RICE	31
	The Archaeology of Colonial Williamsburg. THOMAS J. WERTENBAKER	44
	The Electromotive Force Centrifuge, the Development of a Tool for Research. DUNCAN A. MACINNES	51
	Frontiers of Aeronautical Science and Technology. HUGH L. DRYDEN	56
	Riddles in Dialogue. ARCHER TAYLOR	61
	The Abbé de Saint-Pierre and the Seventeenth-Century Intellectual Background. MERLE L. PERKINS	69
	The Composite Bow in India. MURRAY B. EMENEAU	77
	Hamlet: A Tragedy Adapted from Shakespeare (1770) by Jean François Ducis. A Critical Edition. MARY B. VANDERHOOF	88
No. 2.	New Trends in Human Evolution. FREDERICK OSBORN	143
	An Unsettled Problem in Interstate Divorce Law. HERBERT F. GOODRICH	147
	The Place of Diplomatic History in the Study of International Relations During the Twentieth Century. SIR LLEWELLYN WOODWARD	151
	The American Occupation and German Education. GEORGE N. SHUSTER	159
	The Measurement of Criminality in Geographic Areas. THORSTEN SELLIN	163
	On the Nature of Scientific Research. DAVID MEREDITH SEARES WATSON	168
	The Friendship of the "Reform" Cardinals in Italy with Damião de Goes. ELISABETH FEIST HIRSCH	173
	Studies in the Problem of Dating the Dead Sea Scrolls. JOHN C. TREVER	184
	The Possible Source and Antiquity of the Slate Churingas of Western Australia. DANIEL SUTHERLAND DAVIDSON	194
	The Cultures of Early Anatolia. ALBRECHT GOETZE	214
	An Experiment in Measurement. ALEXANDRE KOYRÉ	222
No. 3.	Thomas Brand Hollis (1719–1804), English Admirer of Franklin and Intimate of John Adams. CAROLINE ROBBINS	239
	Excavations at Mycenae 1952. ALAN J. B. WACE	248
	Athens and the Hellenistic Princes. HOMER A. THOMPSON	254
	Seneca Indian Singing Tools at Coldspring Longhouse. Musical Instruments of the Modern Iroquois. HAROLD C. CONKLIN and WILLIAM C. STURTEVANT	262
	Basic Data on the Emergence of Deciduous Teeth in the Monkey (*Macaca mulatta*). V. O. HURME and G. VAN WAGENEN	291
No. 4.	British Imperial Theory and American Territorial Policy. A Suggested Relationship. ROBERT LIVINGSTON SCHUYLER	317
	Domestic Production and Foreign Trade; The American Capital Position Re-examined. WASSILY LEONTIEF	332
	A Russian Traveler to Eighteenth-Century America. EUFROSINA DVOICHENKO-MARKOV	350

Side Lights on Cosmic Chemistry. PAUL W. MERRILL 356
Memoir of William Cowper. An Autobiography Edited with an Introduction. MAURICE J. QUINLAN 359
Palaeolithic and Mesolithic Sites in Soviet Central Asia. HALLAM L. MOVIUS, JR. 383
The Mycenae Tablets. A Transcription. With an Introduction by ALAN J. B. WACE. EMMETT L. BENNETT, JR. 422

No. 5. Studies of Historical Documents in the Library of the American Philosophical Society
The American Philosophical Society Library from 1942 to 1952 with a Survey of its Historical Background. WILLIAM E. LINGELBACH 471
Benjamin Franklin et la Muse Provinciale. GILBERT CHINARD 493
Benjamin Franklin Consults the Doctors. GEORGE W. CORNER 511
UNESCO of the Eighteenth Century. La Loge des Neuf Sœurs and its Venerable Master, Benjamin Franklin. NICHOLAS HANS 513
Notes on Early Editions and Editors of Franklin. FRANCIS S. PHILBRICK 525
The Jersey Quadrant Used in Pennsylvania. THOMAS D. COPE 565
William Bartram and the American Revolution. FRANCIS HARPER 571
A Calendar of Manuscript Materials Relating to the History of the Six Nations or Iroquois Indians in Depositories Outside of Philadelphia, 1750–1850. WILLIAM NELSON FENTON 578
A Preliminary Survey of American Indian Manuscripts in Repositories of the Philadelphia Area. GEORGE S. SNYDERMAN 596
The Waugh Collection of Iroquois Folktales. MARTHA CHAMPION RANDLE 611
A Sample of North American Indian Dictionaries with Reference to Acculturation. C. F. VOEGELIN and D. H. HYMES 634

No. 6. The Practical Prospects for Disarmament and Genuine Peace. GRENVILLE CLARK 645
The Origin and Persistence of Standards of Professional Conduct in the Practice of Law. HENRY S. DRINKER 652
Studies of the Earth's Crust Using Waves from Explosions. H. E. TATEL, L. H. ADAMS, and M. A. TUVE 658
The Significance and Technical Analysis of Ancient Textiles as Historical Documents. RENÉ BATIGNE and LOUISA BELLINGER 670
The Defects in Crystals. C. G. SUITS 681
Photographic Aids and their Uses in Problems of Authenticity in the Field of Paintings. HENRI MARCEAU 686
Index to Volume 97 713

INDEX TO VOLUME 97

Adams, John, Thomas Brand Hollis (1719–1804), intimate of (Robbins), 239
Adams, L. H., with H. E. Tatel, see Tatel
Adrenal cortex, Hormones of, in health and disease (Kendall), 8
Aeronautical science and technology, Frontiers of (Dryden), 56
American occupation and German education (Shuster), 159
American Philosophical Society Library, Studies of historical documents in, 471
from 1942 to 1952 with a survey of its historical background (Lingelbach), 471
American territorial policy and British imperial theory (Schuyler), 317
Anatolia, Cultures of early (Goetze), 214
Asia, Soviet Central, Palaeolithic and Mesolithic sites in (Movius), 383
Athens and the Hellenistic princes (Thompson), 254
Australia, Western, Slate churingas of (Davidson), 194

Bartram, William, and the American Revolution (Harper), 571
Batigne, René, and Louisa Bellinger, The significance and technical analysis of ancient textiles as historical documents, 670
Bellinger, Louisa, with René Batigne, see Batigne
Bennett, Emmett L., Jr., The Mycenae tablets, a transcription, 422
Bow, Composite, in India (Emeneau), 77
British imperial theory and American territorial policy (Schuyler), 317

Cardinals, "Reform," Friendship of, in Italy with Damião de Goes (Hirsch), 173
Centrifuge, Electromotive force (MacInnes), 51
Channing, William Ellery: the making of a social gospel (Rice), 31
Chemistry, cosmic, Side lights on (Merrill), 356
Chinard, Gilbert, Benjamin Franklin et la muse provinciale, 493
Churingas, Slate, of Western Australia (Davidson), 194
Clark, Grenville, The practical prospects for disarmament and genuine peace, 645
Conklin, Harold C., and William C. Sturtevant, Seneca Indian singing tools at Coldspring longhouse. Musical instruments of the modern Iroquois, 262
Cope, Thomas D., The Jersey quadrant used in Pennsylvania, 565
Corner, George W., Benjamin Franklin consults the doctors, 511
Cosmic chemistry, Side lights on (Merrill), 356
Cowper, William, Memoir of (Quinlan), 359
Criminality, Measurement of, in geographic areas (Sellin), 163
Crystals, Defects in (Suits), 681

Davidson, Daniel Sutherland, The possible source and antiquity of the slate churingas of Western Australia, 194
Dead Sea scrolls, Studies in the problem of dating (Trever), 184
Diplomatic history, Place of, in the study of international relations (Woodward), 151
Disarmament and genuine peace, Practical prospects for (Clark), 645
Divorce law, interstate, An unsettled problem in (Goodrich), 147
Drinker, Henry S., The origin and persistence of standards of professional conduct in the practice of law, 652
Dryden, Hugh L., Frontiers of aeronautical science and technology, 56
Ducis, Jean François, Hamlet: a tragedy adapted from Shakespeare (1770) by (Vanderhoof), 88
Dvoichenko-Markov, Eufrosina, A Russian traveler to eighteenth-century America [Theodore Karjavin], 350
William Penn and Peter the Great, 12

Earth's crust, Studies of, using waves from explosions (Tatel, Adams, and Tuve), 658
East and west, Relations of (Malik), 1
Emeneau, Murray B., The composite bow in India, 77
Evolution, New trends in human (Osborn), 143

Fenton, William N., A calendar of manuscript materials relating to the history of the Six Nations or Iroquois Indians in depositories outside of Philadelphia, 1750–1850, 578
Franklin, Benjamin, consults the doctors (Corner), 511
et la muse provinciale (Chinard), 493
Notes on early editions and editors of (Philbrick), 525
Thomas Brand Hollis (1719–1804), English admirer of (Robbins), 239
venerable master of la Loge des Neuf Sœurs (Hans), 513

German education, The American occupation and (Shuster), 159
Goes, Damião de, Friendship of the "Reform" cardinals in Italy with (Hirsch), 173
Goetze, Albrecht, The cultures of early Anatolia, 214
Goodrich, Herbert F., An unsettled problem in interstate divorce law, 147

Hamlet: a tragedy adapted from Shakespeare (1770) by Jean François Ducis, a critical edition (Vanderhoof), 88
Hanke, Lewis, Bartolomé de Las Casas and the Spanish Empire in America: four centuries of misunderstanding, 26
Hans, Nicholas, UNESCO of the eighteenth century. La Loge des Neuf Sœurs and its venerable master, Benjamin Franklin, 513
Harper, Francis, William Bartram and the American Revolution, 571
Hellenistic princes, Athens and (Thompson), 254
Hirsch, Elisabeth Feist, The friendship of the "Reform" cardinals in Italy with Damião de Goes, 173

Hormones of the adrenal cortex in health and disease (Kendall), 8
Hurme, V. O., and G. van Wagenen, Basic data on the emergence of deciduous teeth in the monkey (*Macaca mulatta*), 291
Hymes, D. H., with C. F. Voegelin, see Voegelin

Indian dictionaries, Sample of North American, with reference to acculturation (Voegelin and Hymes), 634
manuscripts, American, in repositories of the Philadelphia area (Snyderman), 596
Seneca, singing tools (Conklin and Sturtevant), 262
Indians, Iroquois, Calendar of manuscript materials relating to the history of (Fenton), 578
International relations, The place of diplomatic history in the study of (Woodward), 151
Iroquois Indians, Calendar of manuscript materials relating to the history of (Fenton), 578
folktales, Waugh collection (Randle), 611
modern, Musical instruments of (Conklin and Sturtevant), 262

Karjavin, Theodore, a Russian traveler to eighteenth-century America (Dvoichenko-Markov), 350
Kendall, Edward C., Hormones of the adrenal cortex in health and disease, 8
Koyré, Alexandre, An experiment in measurement, 222

Las Casas, Bartolomé de, and the Spanish empire in America (Hanke), 26
Law, Origin and persistence of standards of professional conduct in the practice of (Drinker), 652
Leontief, Wassily, Domestic production and foreign trade; the American capital position re-examined, 332
Library of the American Philosophical Society, Studies of historical documents in, 471
from 1942 to 1952 with a survey of its historical background (Lingelbach), 471
Lingelbach, William E., The American Philosophical Society Library from 1942 to 1952 with a survey of its historical background, 471
Loge des Neuf Sœurs, La, and its venerable master, Benjamin Franklin (Hans), 513

Macaca mulatta (monkey), Emergence of deciduous teeth in (Hurme and van Wagenen), 291
MacInnes, Duncan A., The electromotive force centrifuge, the development of a tool for research, 51
Malik, Charles, The relations of east and west, 1
Marceau, Henri, Photographic aids and their uses in problems of authenticity in the field of paintings, 686
Measurement, An experiment in (Koyré), 222
Merrill, Paul W., Side lights on cosmic chemistry, 356
Mesolithic sites in Soviet Central Asia (Movius), 383
Monkey (*Macaca mulatta*), Emergence of deciduous teeth in (Hurme and van Wagenen), 291
Movius, Hallam L., Jr., Palaeolithic and Mesolithic sites in Soviet Central Asia, 383
Mycenae, Excavations at, 1952 (Wace), 248
tablets, a transcription (Bennett), 422

Osborn, Frederick, New trends in human evolution, 143

Paintings, Photographic aids and their uses in problems of authenticity in the field of (Marceau), 686
Palaeolithic sites in Soviet Central Asia (Movius), 383
Peace, genuine, Practical prospects for disarmament and (Clark), 645
Penn, William, and Peter the Great (Dvoichenko-Markov), 12
Penrose memorial lecture (Malik), 1
Perkins, Merle L., The Abbé de Saint-Pierre and the seventeenth-century intellectual background, 69
Peter the Great and William Penn (Dvoichenko-Markov), 12
Philbrick, Francis S., Notes on early editions and editors of Franklin, 525
Photographic aids and their uses in the problems of authenticity in the field of paintings (Marceau), 686
Production, Domestic, and foreign trade (Leontief), 332

Quadrant, Jersey, used in Pennsylvania (Cope), 565
Quinlan, Maurice J., Memoir of William Cowper, an autobiography edited with an introduction, 359

Randle, Martha C., The Waugh collection of Iroquois folktales, 611
Research, scientific, On the nature of (Watson), 168
Revolution, American, and William Bartram (Harper), 571
Rice, Madeleine Hooke, William Ellery Channing: the making of a social gospel, 31
Riddles in dialogue (Taylor), 61
Robbins, Caroline, Thomas Brand Hollis (1719–1804), English admirer of Franklin and intimate of John Adams, 239
Russian traveler to eighteenth-century America (Dvoichenko-Markov), 350

Saint-Pierre, Abbé de, and the seventeenth-century intellectual background (Perkins), 69
Schuyler, Robert Livingston, British imperial theory and American territorial policy, a suggested relationship, 317
Sellin, Thorsten, The measurement of criminality in geographic areas, 163
Seneca Indian singing tools at Coldspring longhouse (Conklin and Sturtevant), 262
Shuster, George N., The American occupation and German education, 159
Six Nations or Iroquois Indians, Calendar of manuscript materials relating to the history of (Fenton), 578
Snyderman, George S., A preliminary survey of American Indian manuscripts in repositories of the Philadelphia area, 596
Spanish Empire in America, Bartolomé de Las Casas and (Hanke), 26
Sturtevant, William C., with Harold C. Conklin, see Conklin
Suits, C. G., The defects in crystals, 681

Tatel, H. E., L. H. Adams, and M. A. Tuve, Studies of the earth's crust using waves from explosions, 658
Taylor, Archer, Riddles in dialogue, 61
Teeth, deciduous, Emergence of, in the monkey (*Macaca mulatta*) (Hurme and van Wagenen), 291

Textiles, ancient, Significance and technical analysis of, as historical documents (Batigne and Bellinger), 670
Thompson, Homer A., Athens and the Hellenistic princes, 254
Trade, Foreign, and domestic production (Leontief), 332
Trever, John C., Studies in the problem of dating the Dead Sea scrolls, 184
Tuve, M. A., with H. E. Tatel, see Tatel

Vanderhoof, Mary B., Hamlet: a tragedy adapted from Shakespeare (1770) by Jean François Ducis. A critical edition, 88
Voegelin, C. F., and D. H. Hymes, A sample of North American Indian dictionaries with reference to acculturation, 634

Wace, Alan J. B., Excavations at Mycenae 1952, 248
Introduction to The Mycenae tablets by E. L. Bennett, Jr., 422
Wagenen, G. van, with V. O. Hurme, see Hurme
Watson, David Meredith Scares, On the nature of scientific research, 168
Waugh collection of Iroquois folktales (Randle), 611
Wertenbaker, Thomas J., The archaeology of colonial Williamsburg, 44
Williamsburg, Colonial, Archaeology of (Wertenbaker), 44
Woodward, Llewellyn, The place of diplomatic history in the study of international relations during the twentieth century, 151